

## AMENDMENTS TO THE CLAIMS

Claims 1 and 5 (canceled).

Claim 15 (withdrawn)

Claims 2-4, 6-14 and 16-22 have be re-presented and renumbered as claims 24-42 with reference to prior claim numbers.

1        Claim 23 (new): A leak-stopper system for water plumbing comprising:  
2        a leak-probe circuit (1) positioned in water-detection proximity to water  
3 plumbing (2) for a building;  
4        an electrical circuit having electrical communication from a predetermined  
5 plurality of predeterminedly spaced-apart leak sensors (3) on the leak-probe circuit  
6 (1) to a control board (4);  
7        the leak sensors (3) include three-probe sensors (14) having an output probe  
8 (15) intermediate a first input probe (16) and a second input probe (17);  
9        the leak-probe circuit (1) is in electrical communication with the first input  
10 probe (16) and the second input probe (17) through input connectors (18);  
11        the leak-probe circuit (1) is in return electrical communication with the  
12 output probe (15) through an output connector (19);  
13        the first input probe (16) and a second input probe (17) are articulated to  
14 convey current through leakage water (7) to the output probe (15) and the output  
15 probe (15) is articulated to receive the current through the leakage water (7) for  
16 conveying the current from the leakage water (7) through the output connector (19)  
17 and into the leak-probe circuit (1) for communication to designated visual leak  
18 signalers (5) on the control board (4);  
19        visual leak signalers (5) on the control board (4) being in electrical  
20 communication with the leak sensors (3) for electrically detecting and signaling

21 location of any water leakage of the water plumbing (2) proximate one or more of  
22 the leak sensors (3) to at least one of the visual leak signalers (5) on the control  
23 board (4);

24 the water plumbing (2) including a plumbing valve (6) with predetermined  
25 features for shutting off water to the water plumbing predeterminedly in response  
26 to detection of leakage of the water plumbing (2) in order to allow the water leakage  
27 to be fixed before water damage occurs to the building or to contents of the  
28 building;

29 the leak sensors (3) being articulated for detecting water leakage (7) by  
30 closing of circuitry of the leak sensors (3) predeterminedly with leakage water (7)  
31 for communicating position of the leakage water (7) by communicating position of  
32 at least one of the leak sensors (3) with circuitry closed by the leakage water (7) to  
33 at least one of predetermined visual leak signalers (5) on the control board (4);

34 the control board (4) being articulated in coordination with the water  
35 plumbing (2) and the leak-probe circuit (1) for indicating location of the leakage  
36 water (7) by indicating location of at least one of the leak sensors (3) with circuitry  
37 closed by the leakage water (7); and

38 an electrical source (8) for supplying user-safe electrical current to  
39 components of the leak-stopper system for detecting leaks, for communicating their  
40 location, for operating the plumbing valve (6) and for other related functions.

1 Claim 24 (re-presented - formerly dependent claim 2): The leak-stopper  
2 system for water plumbing of claim 23, wherein:

3 the electrical source (8) includes an isolated power source for supplying a  
4 user-safe level of current for a predetermined period of leak-detection time in case  
5 of power outage to the building.

1        Claim 25 (re-presented - formerly dependent claim 3): The leak-stopper  
2 system for water plumbing of claim 24 wherein:

3        the isolated power source includes a chargeable battery (9) that is chargeable  
4 by a charger (10) in communication with an AC power source (11) to the building.

1        Claim 26 (re-presented - formerly dependent claim 4): The leak-stopper  
2 system for water plumbing of claim 24 wherein:

3        the isolated power source includes a predetermined DC power supplier (12)  
4 with DC current from a transformer (13) in communication with the AC power  
5 source (11) to the building.

1        Claim 27 (re-presented - formerly dependent claim 6): The leak-stopper  
2 system for water plumbing of claim 23 herein:

3        the leak-probe circuit (1) includes a valve-control line (20) in communication  
4 with the plumbing valve (6) from the control board (4) for closing the plumbing  
5 valve (6) automatically in response to communication of detection of a leak in the  
6 water plumbing (2) by at least one of the leak sensors (3); and

7        the plumbing valve (6) is articulated to be closed for preventing water from  
8 entering the water plumbing (2) by the communication from the control board (4).

1        Claim 28 (re-presented - formerly dependent claim 7): The leak-stopper  
2 system for water plumbing of claim 27 and further comprising:

3        an override switch for manually overriding automatic closing of the plumbing  
4 valve (6).

1        Claim 29 (re-presented - formerly dependent claim 8): The leak-stopper  
2 system for water plumbing of claim 28, wherein:  
3        the override switch includes a pushbutton toggle switch (21).

1        Claim 30 (re-presented - formerly dependent claim 9):    The leak-stopper  
2 system for water plumbing of claim 28 and further comprising:  
3        an override-time regulator for regulating time of override of automatic closing  
4 of the plumbing valve (6).

1        Claim 31 (re-presented - formerly dependent claim 10): The leak-stopper  
2 system for water plumbing of claim 30, wherein:  
3        the override-time regulator includes a rotational knob (22) for being rotated  
4 in a rotational direction predeterminedly for increase of time of override of the  
5 automatic closing of the plumbing valve (6).

1        Claim 32 (re-presented - formerly dependent claim 11):    The leak-stopper  
2 system for water plumbing of claim 23, wherein:  
3        the visual leak signalers (5) include LED's.

1        Claim 33 (re-presented - formerly dependent claim 12): The leak-stopper  
2 system for water plumbing of claim 23 and further comprising:  
3        an audio signaler (23) of leakage on the control board (4).

1        Claim 34 (re-presented - formerly dependent claim 13): The leak-stopper  
2 system for water plumbing of claim 23 and further comprising:  
3        a remote-control connection (24) for optionally hard-wire or wireless remote

4 control of the control board (4), the plumbing valve (6) and other features of the  
5 leak-stopper system.

1 Claim 35 (re-presented - formerly dependent claim 14): The leak-stopper  
2 system for water plumbing of claim 23 and further comprising:

3 a network connection (25) for remote control of the leak-stopper system that  
4 includes a plurality thereof.

1 Claim 36 (re-presented - formerly dependent claim 16): The leak-stopper  
2 system for water plumbing of claim 23, wherein:

3 the leak-probe circuit (1) includes a plurality of signal lines (23) with each of  
4 the signal lines (23) having electrical communication from a predetermined leak  
5 sensor (3) to a predetermined visual leak signaler (5).

1 Claim 37 (re-presented - formerly dependent claim 17): The leak-stopper  
2 system for water plumbing of claim 23 and further comprising:

3 a circuit attachment (27) for attaching the leak-probe circuit (3) to the water  
4 plumbing (2).

1 Claim 38 (re-presented - formerly dependent claim 18): The leak-stopper  
2 system for water plumbing of claim 37, wherein:

3 the circuit attachment (27) includes a pipe clasp (28).

1 Claim 39 (re-presented - formerly dependent claim 19): The leak-stopper  
2 system for water plumbing of claim 37, wherein:

3 the circuit attachment (27) includes a clasp tray (29) for clasping onto the

4 water plumbing (2) for collecting the leakage water (7) and for conveying the  
5 leakage water (7) to the leak sensors (3).

1 Claim 40 (re-presented - formerly dependent claim 20): The leak-stopper  
2 system for water plumbing of claim 39, wherein:  
3 the circuit attachment (27) includes the pipe clasp (28).

1 Claim 41 (re-presented - formerly dependent claim 21): The leak-stopper  
2 system for water plumbing of claim 37, wherein:  
3 the circuit attachment (27) includes an adhesive (30) for adhering the leak-  
4 probe circuit (1) to the water plumbing (2).

1 Claim 42 (re-presented - formerly dependent claim 22): The leak-stopper  
2 system for water plumbing of claim 23 and further comprising:  
3 an electronic circuit (31) for communicating leak detection by the leak sensors  
4 (3) to the visual leak signalers (5) and for conveying shutoff communication to the  
5 plumbing valve (6).